

Oxygen-gas fuel burner

Publication number: EP0789191

Publication date: 1997-08-13

Inventor: TRAVIS IAN D (US)

Applicant: BOC GROUP INC (US)

Classification:

- international: C03B5/235; C03B7/06; F23D14/22; F23D14/32;
C03B5/00; C03B7/00; F23D14/00; (IPC1-7):
F23D14/32; F23D14/22

- European: C03B5/235B; C03B7/06B; F23D14/22; F23D14/32

Application number: EP19970300636 19970131

Priority number(s): US19960598460 19960208

Also published as:



US5814121 (A1)
EP0789191 (A3)
EP0789191 (B1)
DE69721097T (T2)

Cited documents:



EP0633228
DE4138434
GB1027041
GB1207499

[Report a data error here](#)

Abstract of EP0789191

An oxygen-gas fuel burner (12) for use in a refractory burner block (20) of glass distribution and conditioning channels (14) for thermally treating glass (18). The oxygen-gas fuel burner (12), includes a gas fuel conduit (26) extending to a central fuel outlet (28); a plurality of oxygen conduits (30) circumferentially spaced about the fuel conduit (26) and converging radially to oxygen outlets (32) circumferentially spaced about and concentric with the central fuel outlet (28); and a burner housing (34) including an outer nozzle (38). The outer nozzle (38) surrounds the fuel outlet (28) and the oxygen outlets (32) to provide a burner tip chamber (40) for mixing and combustion of oxygen and gas fuel to produce a flame within the burner tip chamber and extending outward from the burner tip chamber.

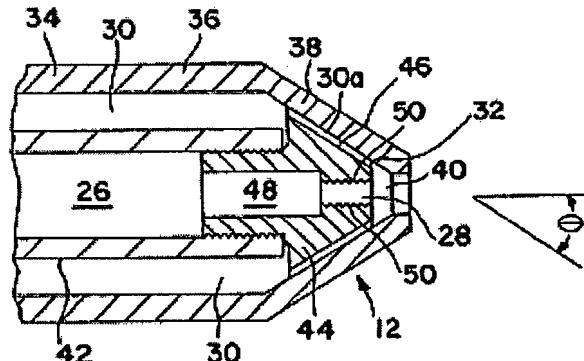


FIG. 3

Data supplied from the esp@cenet database - Worldwide